

hp embedded web server

HP 9200C
Digital Sender

HP Embedded Web Server

User Guide

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1 Overview

What is an embedded Web server?

A Web server provides an environment in which Web programs can run, in much the same way that an operating system, such as Microsoft® Windows®, provides an environment in which programs can run on your computer. A Web browser, such as Microsoft Internet Explorer, Apple Safari, or Mozilla, can show output from a Web server.

An embedded Web server (EWS) resides on a hardware product (such as a printer) in the firmware, rather than as software that is loaded on a network server.

The advantage of an embedded Web server is that it provides an interface to the product that anyone who has a network-connected computer and a standard Web browser can open and use. No special software needs to be installed or configured.

With the HP Embedded Web Server, you can view product status information, change settings, and manage the product at your computer.

Note

In this guide, the terms “product” and “device” are used interchangeably. When products or devices are discussed in this guide, the information pertains to HP LaserJet printers or MFPs, or HP Digital Senders. For specific information about the features that your printer, multifunction peripheral (MFP), or digital sender supports, see the documentation that came with your product.

Features

You can use the HP Embedded Web Server to view product and network status and to manage printing functions from your computer, rather than at the product control panel. With the HP Embedded Web Server, you can perform these tasks:

- View control-panel messages and product-status information.
- Determine the remaining life for all supplies and configure specific ordering information for supplies.
- Gain access to the product's technical support page.
- Add or customize links to other Web sites.
- View and change product configuration, such as tray configurations.
- View and change network configuration.
- View and print information pages, such as the Configuration page.
- Receive alerts about product events, such as when the product is low on supplies, through e-mail.
- Select the language in which to display the HP Embedded Web Server screens.
- Conserve energy by scheduling the product sleep delay so that the product will go into sleep mode after a period of time of not being used.
- Send product configuration and supplies usage information periodically to your service provider.

Additional features with a permanent storage device

If you have a permanent storage device installed in your product, such as a hard disk, you can view, set up, and retain additional information.

- **Alerts.** Set up four different destination lists, with up to 20 recipients on each of the four lists. (Without the permanent storage device, you can send alerts to only four e-mail addresses.)
- **Other Links.** Add up to five additional links to the Web sites of your choice. (Without the extra storage, you can add one additional link.)

A hard disk might be installed in your product, depending on the product model. If your product does not have a hard disk, you might be able to order one. For more information, see the user guide that came with your product, or go to:

<http://www.hp.com/country/us/eng/othercountriesbuy.htm>.

HP Web Jetadmin and the HP Embedded Web Server

HP Web Jetadmin is a Web-based system management tool that you can use with a Web browser. The HP Embedded Web Server and HP Web Jetadmin work together to meet all of your product-management needs. You can use the software to install and manage networked products effectively. Network administrators can manage networked products remotely, from practically anywhere.

The HP Embedded Web Server provides a simple, easy-to-use solution for one-to-one product management in environments that have a limited number of products. However, in environments that have several products, you might want to use HP Web Jetadmin to manage groups of products. With HP Web Jetadmin you can discover, manage, and configure multiple products simultaneously.

HP Web Jetadmin is available from HP online support (<http://www.hp.com/go/webjetadmin>).

System requirements

In order to use the HP Embedded Web Server, you must have the following components:

- A supported Web browser. EWS-supported Web browsers include (but are not limited to) the following:
 - Konqueror 3.0 or later
 - Microsoft Internet Explorer 6.0 or later
 - Mozilla 1.0 (and Mozilla derivatives)
 - Netscape Navigator 6.2 or later
 - Opera 7.0 or later
 - Safari 1.0 or later
- A transmission control protocol/Internet protocol- (TCP/IP-) based network connection.
- An HP Jetdirect print server (embedded or enhanced input/output [EIO]) installed in the product.

Opening the HP Embedded Web Server

Use the following procedure to open the HP Embedded Web Server.

Note

You cannot view the HP Embedded Web Server screens from outside of a firewall.

- 1 Open a supported Web browser.
- 2 In the **Address** or **Go to** field, type the Internet protocol (IP) address that is assigned to the product (for example, `http://192.168.1.1`) or the host name (for example, `npi[XXXXXX]` or a configured host name such as `http://www.[your_server].com`).

If you do not know the IP address for the product, you can find it on the Configuration page. See the user guide that came with your product to see how to view or print a Configuration page at the control panel.

Login and logoff

The HP Embedded Web Server (EWS) has screens that can be used to view product information and change configuration options. The screens that appear, and the settings on them, vary according to how you gain access to the EWS: as a general user, an information technology (IT) administrator, or a service provider. These passwords can be customized by an IT administrator or a service provider.

In a password-protected HP Embedded Web Server, only the **Information** tab is available to users who do not log in by using the password. If no password has been set (which is the default), all of the tabs are visible.

If a password has been set, you must log on as an IT administrator or a service provider to gain access to the protected HP Embedded Web Server tabs (**Settings**, **Digital Sending**, and **Networking**).

Note

For information about changing passwords as an IT administrator, see [“Security” on page 27](#). If you are a service provider, see your product service guide.

To log in as an administrator

Use the following procedure to log in to the HP EWS as an administrator.

- 1 After you open the EWS, click the **Log In** link in the upper-right corner of the screen.

The **Enter Network Password** dialog box appears, as shown in the following illustration. The appearance of the login screen might vary, depending on your operating system and browser.



- 2 Type `admin` for the user name, type your password, and then click **OK**.

To log off as an administrator

Use the following procedure to log off.

- 1 Click the **Log Off** link.
- 2 To complete the logoff, close the browser.

CAUTION

If you do not close the browser, the connection to the product EWS continues to run and could pose security risks.

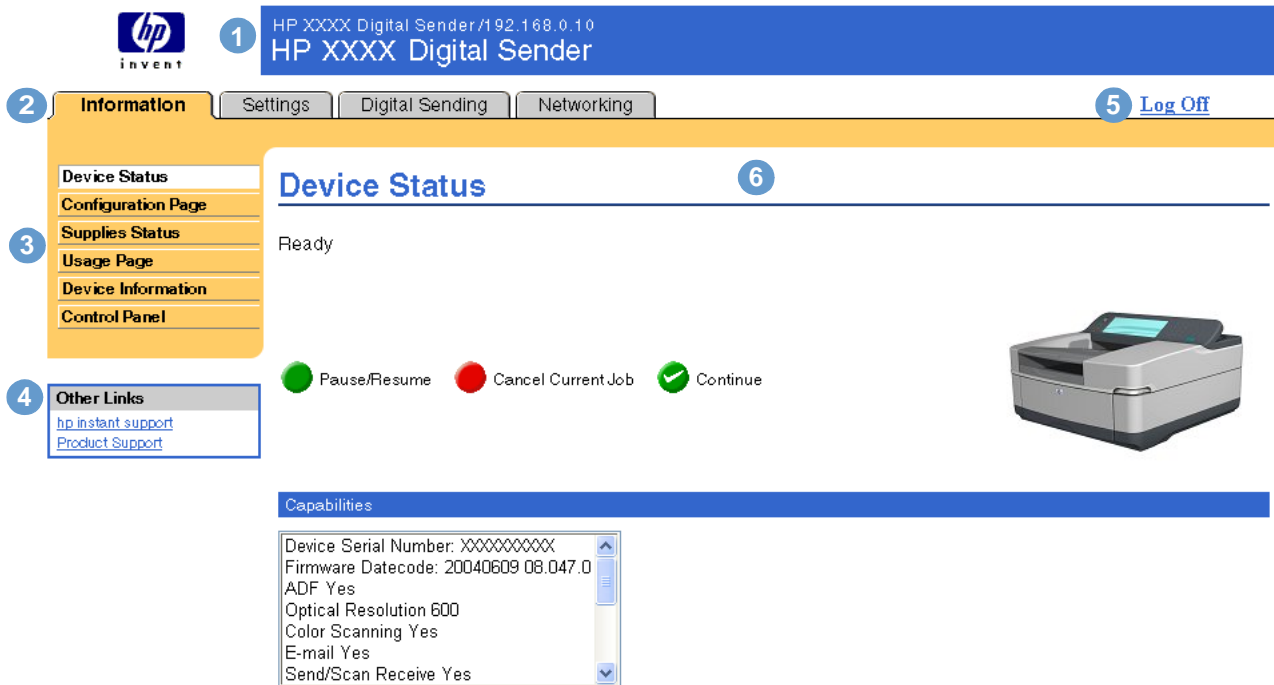
Navigating through the HP Embedded Web Server

To navigate through the HP Embedded Web Server screens, click one of the tabs (such as **Information** or **Settings**), and then click one of the menus on the navigation bar that is located on the left side of the screen.

The following illustration and table provide information about the EWS screens.

Note

The appearance of the EWS screens might differ from the illustrations in this user guide, depending on the product features and the settings that your IT administrator has established.



Callout	EWS screen feature	Description	More information
1	Product name and IP address	View the product name and Internet protocol (IP) address.	
2	Tabs	<div> <div>Information tab</div> <div>View information about the product. You cannot configure the product using the screens on this tab.</div> </div> <div> <div>Settings tab</div> <div>Use the features on this tab to configure the product.</div> </div> <div> <div>Digital Sending tab</div> <div>Use the features on this tab to configure the digital sending capabilities. Note: If the Digital Sending Software (HP DSS) has been installed, the digital sending options must be configured by using the HP MFP DSS Configuration Utility.</div> </div> <div> <div>Networking tab</div> <div>View network status and configure the product network card.</div> </div>	<div>See "Viewing product status from the Information screens" on page 7.</div> <div>See "Configuring the product from the Settings screens" on page 15.</div> <div>See "Setting the digital sending options" on page 33.</div> <div>See "Managing network operation from the Networking screens" on page 45.</div>
3	Menus	Different on each tab Click a tab to show the menus.	

Callout	EWS screen feature	Description		More information
4	Other Links	hp instant support	Connect to a set of Web resources that help solve problems and describe the additional services that are available for your HP product.	<ul style="list-style-type: none"> • See “Using the Other Links as a resource” on page 47. • See “hp instant support” on page 48. • See “Product Support” on page 48. • See “My Service Provider and My Service Contract” on page 49.
		Product Support	Use product-specific help from the HP Web site to solve a problem.	
5	Log In/Log Off	Different for each type of user	Log in as an IT administrator or service provider.	See “Login and logoff” on page 3.
6	Screen	Different on each menu	Click a menu to show a screen.	<ul style="list-style-type: none"> • See “Viewing product status from the Information screens” on page 7. • See “Configuring the product from the Settings screens” on page 15. • See “Managing network operation from the Networking screens” on page 45.

2 Viewing product status from the Information screens

The Information screens are for informational purposes only; you cannot configure the product from these screens. To configure the product through the EWS, see [“Configuring the product from the Settings screens” on page 15](#).

The following are the Information screens:

- Device Status (page 8)
- Configuration Page (page 9)
- Supplies Status (page 11)
- Usage Page (page 12)
- Device Information (page 13)
- Control Panel (page 14)

Note

Some products do not support all of these screens.

Device Status

Use the Device Status screen to view the current status of the product. The following illustration and table describe how to use this screen.

HP XXXX Digital Sender/192.168.0.10
HP XXXX Digital Sender

Information Settings Digital Sending Networking Log Off

1 Information

Device Status
Configuration Page
Supplies Status
Usage Page
Device Information
Control Panel

2 Ready

3 Pause/Resume Cancel Current Job Continue

4 Capabilities

Device Serial Number: XXXXXXXXXX
Firmware Datecode: 20040609 08.047.0
ADF Yes
Optical Resolution 600
Color Scanning Yes
E-mail Yes
Send/Scan Receive Yes

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Status	Shows the device status (the same information that appears on the control-panel display).
3	Control-panel buttons	Use these control-panel buttons just as you would at the product. To select which control-panel buttons appear on this screen, go to the Security screen on the Settings tab.
4	Capabilities	Lists components that are installed in the product.

Configuration Page

Use the Configuration Page screen to view current product settings, help troubleshoot problems, and verify the installation of optional accessories such as dual inline memory modules (DIMMs). The following illustration and table describe how to use this screen.



HP XXXX Digital Sender/192.168.0.10
HP XXXX Digital Sender

Information

Settings

Digital Sending

Networking

Log Off

1

Device Status

Configuration Page

Supplies Status

Usage Page

Device Information

Control Panel

Other Links

[hp instant support](#)

[Product Support](#)

2

Configuration Page

Device Information

Product Name:	HPXXXXC Digital Sender
Device Name	HP XXXX Digital Sender
Model Number:	CXXXXA
Device Serial Number	XXXXXXXXXX
Formatter Number:	S46XXXXXXXX
CPB:	0.157 (1.8)
SCB:	MT1PSL 19
Firmware Datecode:	20040609 08.047.0
Service ID:	00000
Document Feeder Kit Interval:	90000
Pages Since Last Doc Feeder Maintenance:	0

3

Options

DIMM Slot 1:	Empty
DIMM Slot 2:	256 MB DDR
Card Slot 1:	64 MB F/W FLASH: 2 MB
Card Slot 2:	Empty
EIO 1:	HP JetDirect J7934A
EIO 2:	HP Scanner Processor Card
Internal Disk:	HP J7948A: 18 GB
DISK Storage:	19077 MB Capacity
CARD SLOT Storage:	2 MB Capacity
LDAP Gateway	Not Configured
SMTP Gateway	Not Configured
HP MFP Digital Sending Server	Not Configured

4

Memory

Total RAM:	256 MB
------------	--------

5

Security

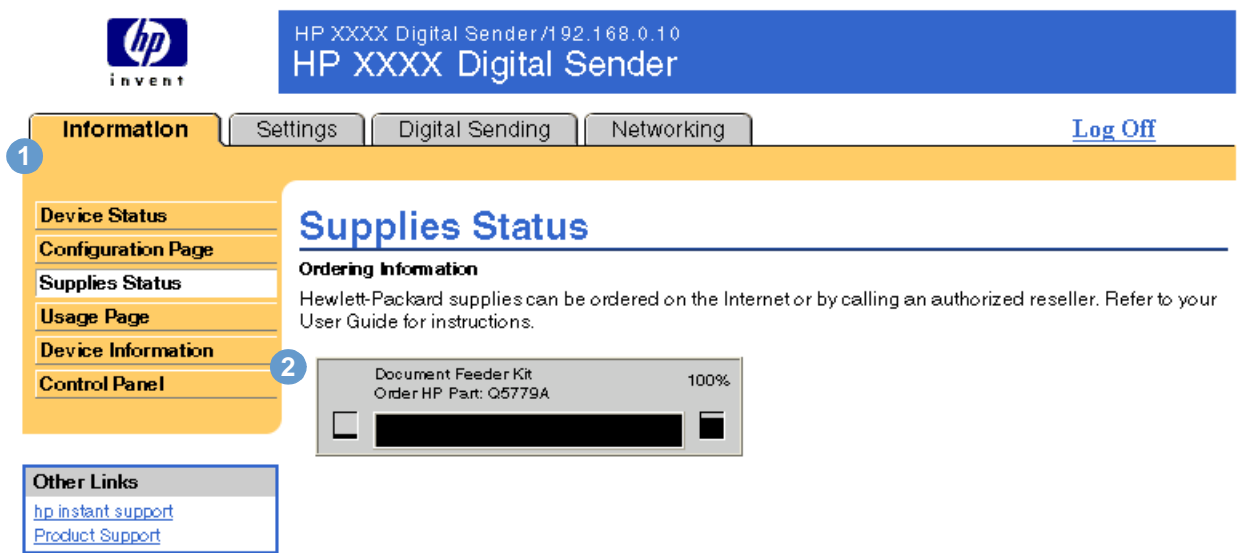
Control Panel Lock:	NONE
Control Panel Password:	DISABLED
Device Type: DISK	Write Protect: DISABLED
Device Type: CARD SLOT	Write Protect: DISABLED
File System Access:	
PJL:	ENABLED
PML:	ENABLED
NFS:	ENABLED

Note: See the table on the following page for descriptions of the callouts in this illustration.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	Device Information	Lists the serial number, version numbers, and other information for the device.
3	Options	Lists options that are installed in each DIMM slot and EIO slot.
4	Memory	Lists the memory information, PCL Driver Work Space (DWS), and resource saving information.
5	Security	Lists the status of the control-panel lock and disk write-protect options.

Supplies Status

The Supplies Status screen shows more detailed supplies information and provides part numbers for genuine HP supplies. (It is helpful to have the part numbers available when ordering supplies.) The following illustration and table describe how to use this screen.



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “ Navigating through the HP Embedded Web Server ” on page 5.
2	Long-Life Supplies Information	If available, this lists the percent of life remaining and the estimated number of pages remaining with the supply.

Usage Page

The Usage Page screen gives a page count for each size of media that has passed through the product, as well as the number of duplexed pages. The total is calculated by multiplying the sum of the print count values by the Units value.

The information on this screen can be used to determine how much toner or paper to keep on hand. The following illustration and table describe how to use this screen.

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

Information Settings Digital Sending Networking Log Off

1

Device Status
Configuration Page
Supplies Status
Usage Page
Device Information
Control Panel

Usage Page

Identification

S/N: XXXXXXXXXXXX
Product Name: HP XXXX Digital Sender
Device Name: HP XXXX Digital Sender

2 Usage Totals (equivalent)

3

SCANNED (SEND & FAX) Page Size	SIMPLEX Count	SIMPLEX Units	DUPLEX Count	DUPLEX Units	Total
LETTER	0	1.0	0	2.0	0.0
LEGAL	0	1.3	0	2.6	0.0
A4	0	1.0	0	2.0	0.0
EXECUTIVE	0	0.8	0	1.6	0.0
B5(JIS)	0	0.7	0	1.4	0.0
A5	0	0.5	0	1.0	0.0
Total Scanner Usage					0.0


Send Job Scan Count: 0
ADF Simplex Pages: 0
ADF Duplex Pages: 0
ADF Total Pages: 0
Flatbed Scan Count: 0

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “ Navigating through the HP Embedded Web Server ” on page 5.
2	Usage Totals (equivalent)	Indicates the types of pages that have been printed, the number of single-sided pages that have been printed, the number of duplexed pages that have been printed, and the total number of pages that have been printed.
3	Units	A unit is equal to a standard A4-size (letter-size) page. All other page sizes are referenced in relation to this standard size. A A4-size (letter-size) page printed on both sides counts as 2 units.

Device Information

The Device Information screen shows the device name, asset number, company name, contact person, device location, and the device's IP address, name, model, and serial number.

The device name, asset number, company name, contact person, and device location can be configured from the Device Information screen, which is located on the **Settings** tab.


invent

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

InformationSettingsDigital SendingNetworking

[Log Off](#)

Device Status

Configuration Page

Supplies Status

Usage Page

Device Information

Control Panel

Other Links

[hp instant support](#)

[Product Support](#)

Device Information

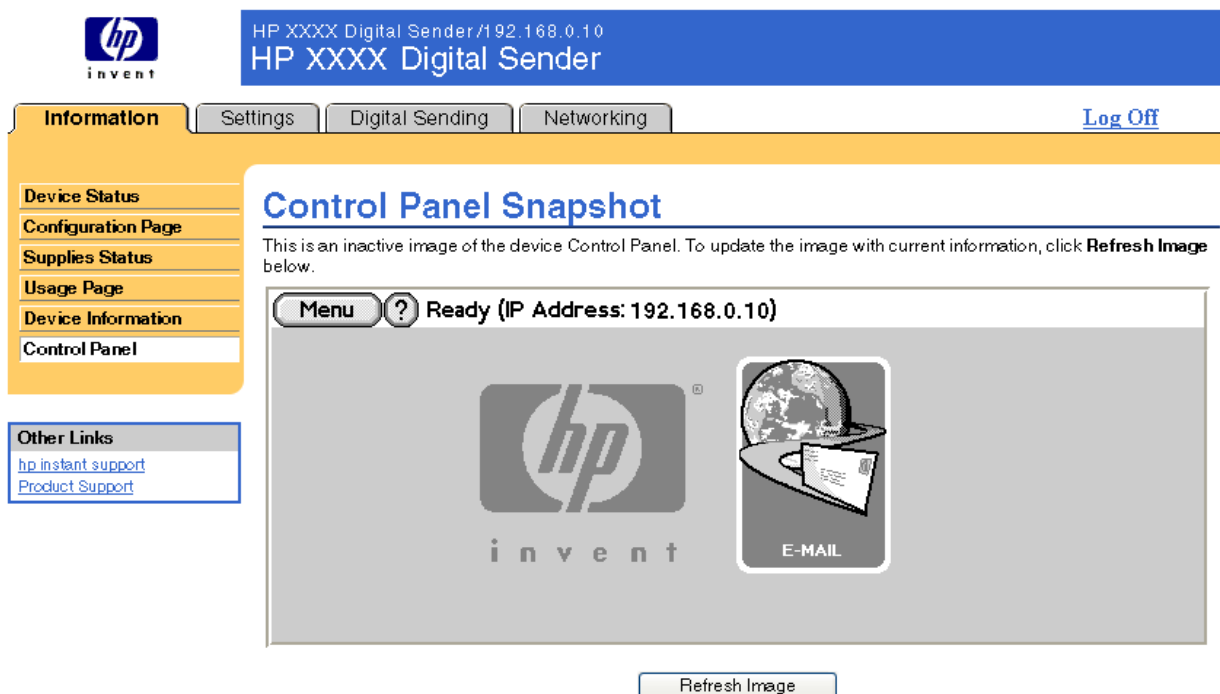
Device Name	HP XXXX Digital Sender
Device Location	
Asset Number:	
Company Name:	
Contact Person:	
IP Address:	192.168.0.10
Product Name:	HPXXX Digital Sender
Device Model	CXXXXA
Device Serial Number	XXXXXXXXXX

Control Panel

For products that have a control panel, the Control Panel screen shows the product control-panel display as if you were standing at the product. Because this view shows the product status, it can help you troubleshoot problems with the product.

Note

The appearance of the screen might vary, depending on your product.



3 Configuring the product from the Settings screens

Use the screens on the **Settings** tab to configure the product from your computer. The following are the Settings screens:

- Configure Device (page 16)
- E-mail Server (page 17)
- Alerts (page 19)
- AutoSend (page 25)
- Security (page 27)
- Edit Other Links (page 28)
- Device Information (page 29)
- Language (page 30)
- Date & Time (page 31)

Note

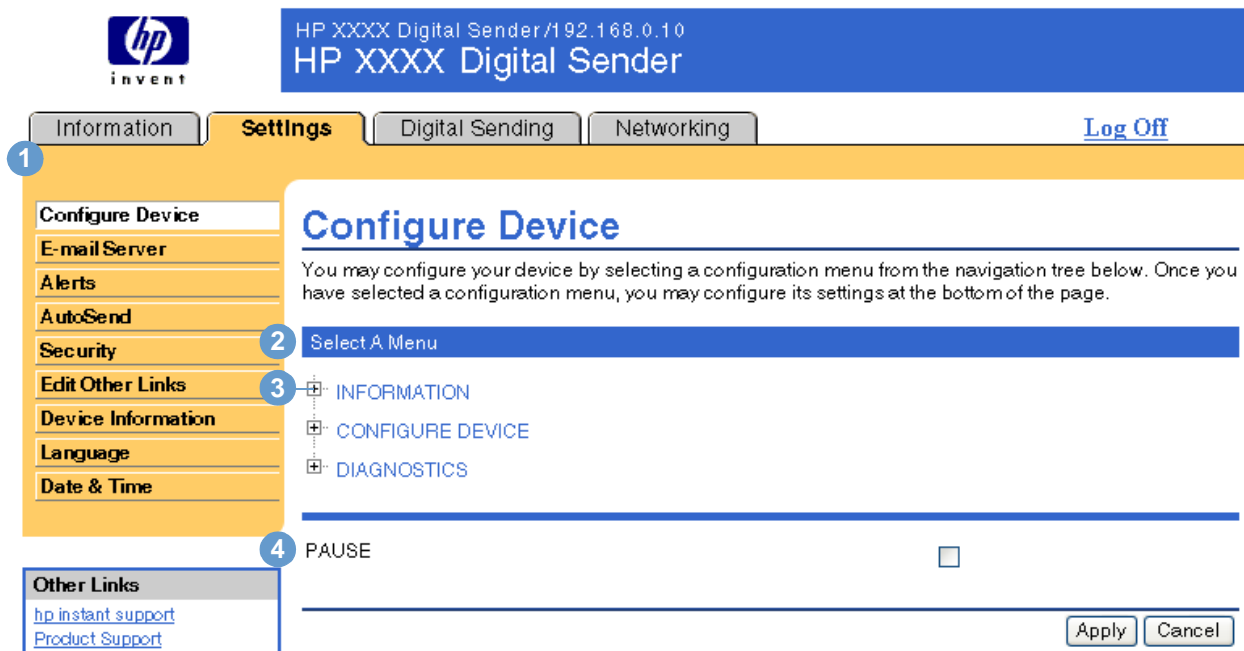
Some products do not support all of these screens.

Configure Device

You can use the Configure Device screen to print device information pages and configure the device *remotely*. The following illustration, table, and example procedure describe how to use this screen.

If your device has a control-panel display, these menus are similar to the menus that are available at your device control panel. Some of the device control-panel menus are not available from the HP Embedded Web Server.

See the documentation that came with your device for more information about the different menus that your device supports.



Callout	Area on the screen	Information or capability that the area provides	
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .	
2	Select A Menu	INFORMATION menu	Print device information pages, which provide details about the device and its configuration.
		CONFIGURE DEVICE menu	Configure the device to affect the device behavior. For example, you can configure device personality settings from this menu, such as print-quality settings or destination bins.
		DIAGNOSTICS menu	Get information about the device that you can use to troubleshoot problems.
3	Plus sign	Click the plus sign (⊕) next to a menu, or click the menu itself, to see the submenus or subentries.	
4	PAUSE	Select this check box to pause the device.	

Using the menus on the Configure Device screen

The following procedure is provided *only* as an example. Similar procedures can be used to set other menu items.

Follow these steps to print a Configuration page (example procedure).

- 1 Click **INFORMATION**.
- 2 Select the check box for the information page that you want to view or print, and then click **Apply**.

E-mail Server

Use the E-mail Server screen to configure e-mail settings for outgoing and incoming e-mail. Use the settings on this screen to send and receive e-mail messages, including product alerts. The following illustration, table, and procedures describe how to use this screen.

HP XXXX Digital Sender/192.168.0.10
HP XXXX Digital Sender

Information Settings Digital Sending Networking Log Off

1 Configure Device
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time

2 E-mail Server

3 Outgoing e-mail

Set outgoing e-mail server values if using e-mail alerts or AutoSend

☒ Enable Outgoing E-mail

SMTP Server 192.68.00.00

Domain Name your.company.com

3 Device E-mail Address Device 1@your.company.com

4 Incoming e-mail (not required for E-mail Alerts)

Set incoming e-mail server values to enable remote requests and commands to be sent to the device.

☒ Enable Incoming E-mail

POP3 Server 192.168.0.10

Device POP3 Username Device 1

Password *****

Apply Cancel

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	Outgoing e-mail	Configure outgoing e-mail if you intend to use the Alerts or AutoSend features. For more information, see “Using the Alerts screen with a product” on page 20 .
3	Device E-mail Address	This is the device’s e-mail address that appears in device alerts. This is <i>not</i> the e-mail address that you want to use when sending commands to the device. See “Sending e-mail commands to the product” on page 24 .
4	Incoming e-mail (not required for E-mail Alerts)	Configure incoming e-mail if you intend to request information pages from the device by using e-mail messages. For more information, see “Sending e-mail commands to the product” on page 24 .

Configuring outgoing e-mail

You must configure outgoing e-mail if you intend to use the Alerts or AutoSend features.

- 1 Gather the following information. (Your organization's network or e-mail administrator typically provides the information that is required to configure outgoing mail.)
 - The IP address of the simple mail transfer protocol (SMTP) mail server on your network. The EWS uses the SMTP server IP address to relay e-mail messages to other computers.
 - The e-mail domain name suffix that is used to address e-mail messages within your organization.
- 2 Select the **Enable Outgoing E-mail** check box.
- 3 Type the SMTP server IP address in the **SMTP Server** text box.
- 4 Type the domain name, and then click **Apply** to save the changes.

Configuring incoming e-mail

You should configure incoming e-mail if you intend to request information pages from the product by using e-mail messages. For more information, see ["Sending e-mail commands to the product" on page 24](#).

- 1 Establish a Post Office Protocol 3 (POP3) mailbox account for the product on a mail server within your organization's network.

Each POP3 account requires a username and a password. The username combined with the product's domain name (which is specified in the outgoing mail configuration) is the e-mail address for the product. For example, if the POP3 mailbox account username is "product" and the POP3 server is "hp.com", the product's e-mail address is "product@hp.com".

Note

Each product that is configured for incoming mail must have its own POP3 mailbox account on your network's e-mail server.

The POP3 mailbox accounts are typically configured by your organization's network or e-mail administrator.

- 2 Select the **Enable Incoming E-mail** check box.
- 3 Type the IP address of the POP3 mail server in the **POP3 Server** text box.
- 4 Type username and password for the product's mailbox account, and then click **Apply** to save the changes.

Alerts

From the Alerts screen, IT administrators can set up the product to send problem and status alerts to anyone through e-mail messages. When this function is configured, alerts are automatically triggered about supplies and paper-path status, as well as for service and advisory information. More than one individual can receive alerts, with each person receiving only specific alerts. For example, an administrative assistant might be responsible for ordering toner or fixing jams, and could receive advanced warning when toner is low or a jam occurs. Similarly, the long-life supplies might be handled by an external service provider, who could receive alerts about performing product maintenance, loading the front or rear stapler, and similar needs.

With a permanent storage device installed, such as a hard disk, you can create up to four different destination lists, with up to 20 recipients on each list. (Without the permanent storage device, you can send alerts to only four e-mail addresses.) The following example is for a product that has a permanent storage device installed. If a permanent storage device is installed, you can edit, test, and delete destinations and destination lists.

Note

The following illustration, table, and procedures describe how to use this screen. In order for alerts to function, outgoing e-mail must be enabled. To enable outgoing mail, see “Configuring outgoing e-mail” on page 18.

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

Information Settings Digital Sending Networking Log Off

1

Configure Device
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time

2

Other Links
[hp instant support](#)
[Product Support](#)

Alerts

Alerts are currently configured for the following destination lists. To make changes, click the appropriate button next to the list. Move the pointer over a button for more information.

Note: In order for alerts to function, outgoing mail must be configured on the E-mail Server page.

List Name	Alert Destinations	Selected Alerts	Attachments (optional)
List 1	your_name@your.company.com anyone@your.company.com	ADF Paper Jam	Supplies Status Page Usage Page
		3 Edit	4 Test 5 Delete
List 2	your_admin@your.company.com	Device Error Digital Send LDAP Server Error Digital Send SMTP Server Error Digital Send Server Error	Configuration Page
		Edit	Test Delete
List 3	service_provider@your.company.com	Order Document Feeder Kit Replace Document Feeder Kit Internal Clock Error	Configuration Page Event Log
		Edit	Test Delete

6
New Destination List

Note: See the table on the following page for descriptions of the callouts in this illustration.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	Destination list summary	Lists the current selections for each destination.
3	Edit	Click this button to make changes to the destination or destination list.
4	Test	Click this button to send a test alert to the destination or destination list.
5	Delete	Click this button to delete the destination or destination list.
6	New Destination List	Click this button to define the settings for a new destination list for alerts.

Using the Alerts screen with a product

This section contains information about these alerts features:

- [“To configure alerts” on page 20](#)
- [“To test the configuration of a destination list” on page 23](#)
- [“To delete destinations and destination lists” on page 24](#)

To configure alerts

With a permanent storage device installed, you can set up four different lists, with up to 20 recipients on each list. Without a permanent storage device, you have room for only four e-mail addresses.

1 Do one of the following:

- To create a new destination list, click **New Destination List**.

-Or-

- To modify an existing destination list, click **Edit** next to the list that you want to modify.

- 2 If a permanent storage device is installed, the screen that appears looks similar to the following illustration. For products that have permanent storage devices installed, type a

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

Information Settings Digital Sending Networking Log Off

Configure Device
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time

Other Links
[hp instant support](#)
[Product Support](#)

Alerts - setup

Step 1: Type the list name

Type a name for your destination list.

List Name:

Step 2: Type the alert destinations

Type a maximum of 20 alert destinations in any of the following forms:

- An e-mail address (e.g., your~name@your~company.com)
- A mobile device (e.g., 208-555-5555@mobile~company.net)
- A posting to a website (e.g., <http://www.your~server.com>)

Separate alert destinations using a semi-colon (;) or a comma (,).

Alert Destinations:

Step 3: Select Alerts

Select the alerts that you would like the alert destinations to receive. The most common alerts are listed here.

Alert Name	Selected	Threshold*
ADF Paper Jam	<input checked="" type="checkbox"/>	<input type="text" value="2"/> minutes elapsed

* Changes to threshold values apply to all destinations for this device.

Additional Alerts

To view all of the alerts for this product, click the **Show All Alerts** button.

Note: Clicking this button saves your current changes and opens the page that lists all of the alerts options.

Step 4: Select e-mail attachments (optional)

Select the attachments that you want to include with each e-mail alert message in this destination list. Go to the **Information** tab to see examples of these pages.

- ☒ Supplies Status Page
- ☒ Usage Page
- ☐ Configuration Page
- ☐ Event Log Page

Select this option if one of the alert destinations you have chosen to receive alerts is an automated computer system.

- ☐ XML Data

name in the **List Name** field, such as Service or Supplies. (If you do *not* have a permanent storage device, continue to step 3.)

- 3 Type the e-mail addresses for people who you want to receive alerts. In large environments, system administrators can route e-mail addresses to list servers, uniform resource locators (URLs), and mobile devices for expanded alerts. Add multiple destinations by separating each destination with a comma or semicolon.

- 4 Select the check box for the alerts that you want to be sent with this destination list. (To see all of the alerts that are available for the product, click **Show All Alerts**.)
- 5 Where applicable, set the threshold value for the individual alerts.

The threshold value for service alerts and for the paper-path alerts is a user-specified number of minutes. This is the amount of time that an event will be ignored before an e-mail alert message is sent. For example, you might want to set the threshold value for the “Tray Open” alert to 10 minutes to allow someone to close the tray after loading the tray or clearing a jam.
- 6 Select the attachments that you want to be included with your e-mail alert messages. These attachments can include Supplies Status Page, Usage Page, Configuration Page, Event Log Page, and XML Data. (Go to the **Information** tab to see examples of the pages.) The **XML Data** option should be selected if one of the destinations you have chosen to receive alerts is an automated computer system. Each item that you select will be attached to the e-mail. For example, if you select **Usage Page** and **Event Log Page**, you will receive one e-mail message with two attachments, one for each selection. If you also select the **XML Data** option, you will receive one e-mail message with three attachments—one attachment for the Usage Page in HTML, one for the Event Log in HTML, and a third consisting of instant support information in a text file attachment that has an .XML extension.
- 7 Click **Apply** to save the information.
- 8 Repeat steps 1 through 7 for each additional list or destination.

Note

To test the configuration of a destination list, see [“To test the configuration of a destination list” on page 23](#).

To test the configuration of a destination list

Use the following procedure to test the destination list configuration.

- 1 Click the **Test** button next to the destination list that you want to test.

The following window appears. (This illustration shows the screen from a system that has a permanent storage device installed. If no permanent storage device is installed, only one destination can be tested from this window.)

The screenshot shows the HP XXXX Digital Sender web interface. At the top, there's a blue header with the HP logo and the text "HP XXXX Digital Sender/192.168.0.10" and "HP XXXX Digital Sender". Below the header is a navigation bar with tabs: "Information", "Settings" (selected), "Digital Sending", and "Networking". A "Log Off" link is on the right. On the left is a sidebar with a list of settings: "Configure Device", "E-mail Server", "Alerts" (selected), "AutoSend", "Security", "Edit Other Links", "Device Information", "Language", and "Date & Time". Below this is an "Other Links" section with links to "hp instant support" and "Product Support". The main content area is titled "Alerts - test". It contains a message: "You are about to send a test alert to the selected alert destinations. Click **OK** to send the test, or click **Cancel** to return to the main Alerts page without sending the test." Below this is the "Alert Destinations:" section with two checked checkboxes: "your_name@your.company.com" and "anyone@your.company.com". A note states: "By default, the return address on the test alert is the product's e-mail address. To receive any response that is generated from this test, type your own e-mail address in the following box." The "Return Address:" field contains "Device1@your.company.com". The "Message Text:" section contains a text area with the following content: "This is a test alert. You have received this alert because you have been selected to receive information about the following product. The product does not need attention at this time. Product: HPXXXXDigital Sender. Currently selected alerts: ADF Paper Jam. Currently selected attachments: Supplies Status Page, Usage Page. Thank you for using Hewlett-Packard products!" Below this is a note: "If you want additional notes to appear at the beginning of the test alert, type the information in the following box." The "Your Notes (optional):" field is empty. At the bottom right are "OK" and "Cancel" buttons.

- 2 If you have a permanent storage device installed, select the destinations that you want to test.
- 3 The return address is the product's e-mail address. Type your e-mail address in the **Return Address** box if you would like to receive messages about any errors that are generated from the test alert (for example, to be notified of an incorrect destination address).

- 4 If applicable, type additional information that you would like to appear at the beginning of the e-mail alert message in the **Your Notes (optional)** text field.
- 5 Click **OK**.

To delete destinations and destination lists

You can delete a destination or destination list by clicking the **Delete** button next to the destination or destination list that you want to delete. Click **OK** to confirm the deletion.

Sending e-mail commands to the product

Another method for receiving information pages is by requesting them from the product. When outgoing and incoming mail are configured, the product can attach information pages, such as the Supplies Status page or the Configuration page, to e-mail messages. You can use this feature to solve a problem or check the status of supplies.

To request information pages by using an e-mail message

When composing a message to the product, you must format the **To**, **From**, and **Subject** fields correctly in your e-mail program.

- 1 Make outgoing and incoming e-mail functions available by following the instructions that are listed in this chapter. (For more information, see [“E-mail Server” on page 17.](#))
- 2 From your e-mail program, compose a message to the product by completing the following steps:
 - a In the **To** field, type the product’s e-mail address. The username combined with the product’s domain name (which is specified in the outgoing mail configuration) is the e-mail address for the product. For example, if the POP3 mailbox account username is “product” and the POP3 server is “hp.com”, the product’s e-mail address is “product@hp.com”.
 - b Your e-mail program should automatically complete the **From** field with your return e-mail address.
 - c In the **Subject** field, type the appropriate text for the format and page that you would like to attach. You can request a Configuration page, a Supplies Status page, or an AutoSend page. For example, if you would like to attach the Configuration page in .HTML file format, type “this.configpage?configpage=email&format=html”.

Page	HTML format	XML format
Configuration page	this.configpage?configPage=email&format=html	this.configpage?configPage=email&format=xml
Supplies Status page	this.configpage?suppliesPage=email&format=html	this.configpage?suppliesPage=email&format=xml
AutoSend page	not applicable	this.configpage?autosend=email&format=xml

- 3 Click **Send**.

The product checks for new e-mail messages once every 3 minutes. When the product receives the e-mail message, it generates a reply and sends the requested information back to the sender's e-mail address (as specified in the **From** field of the original e-mail message).

Note

Depending on delays in the network and your organization's mail server, a response might take from 1 minute to several hours to arrive in your e-mail program's Inbox.

If the **To**, **From**, and **Subject** fields are not correctly formatted in your e-mail message, the product does not send a message in response.

AutoSend

Use the AutoSend screen to send product-configuration and supplies-usage information periodically to your service provider. This feature establishes a relationship with Hewlett-Packard Company or another service provider to provide you with services that include, but are not limited to, toner replacement, pay-per-page contracts, support agreements, and usage tracking. The following illustration, table, and procedure describe how to use this screen.

With a permanent storage device installed, such as a hard disk, you can add up to twenty e-mail addresses. (Without the permanent storage device, you can add one e-mail address.) The following example is for a product that does have a permanent storage device installed.

HP XXXX Digital Sender/192.168.0.10
HP XXXX Digital Sender

Information **Settings** Digital Sending Networking [Log Off](#)

1

Configure Device
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time

2

AutoSend

Enable AutoSend

The AutoSend feature enables your product to periodically send configuration and supplies usage information to a list of destinations. Enable the 'Send to HP' feature if you have a relationship with Hewlett-Packard that provides you services such as proactive cartridge replacement, pay per page contracts, support agreements, or usage tracking.

Note: To use AutoSend, you must first [configure your E-mail Server](#)

☐ Enable AutoSend

3 Send every ☐ days (1-28) ☐ weeks (1-4) ☐ months (1-6) ☒ pages scanned (50-30000)

Type a maximum of 20 e-mail destinations (e.g., your~name@your~company.com) below:
[Separate e-mail destinations using a semi i-colon \(;\) or a comma \(,\).](#)

4 E-Mail destinations
6

5 ☐ Send to HP ([Hewlett-Packard Online Privacy Statement](#))

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see "Navigating through the HP Embedded Web Server" on page 5.
2	Enable AutoSend	Select this check box to turn on the AutoSend feature.
3	Send every [interval]	Select the interval at which you want the product to send the product configuration and supplies usage information to the destinations that are configured in the E-Mail destinations field.
4	E-Mail destinations	Save a list of up to 20 e-mail addresses to receive the product-configuration information. Each e-mail address can be up to 50 characters long.

Callout	Area on the screen	Information or capability that the area provides
5	Send to HP	<p>Select this check box to send device configuration and supplies status information to HP on a regular basis. The information will be sent to an HP e-mail address (for example, myproduct@hp.com) in a text-based file with an .XML file extension. This file will be created in English.</p> <p>To view more information about how HP treats the information that is sent by AutoSend, click Hewlett-Packard Online Privacy Statement.</p>
6	Test	Click this button to save your settings and to send the information immediately, so that you can make sure that the recipient receives the messages.

To turn on the AutoSend feature

Use the following procedure to make the AutoSend feature available.

- 1 Make outgoing and incoming e-mail functions available by following the instructions that are listed in this chapter. (For more information, see [“E-mail Server” on page 17.](#))
- 2 Select the **Enable AutoSend** check box.
- 3 Click an option to specify the interval at which you want the product to send the product-configuration and supplies-usage information to the e-mail recipients (determined in the next step), and then type the number of days, weeks, months, or pages printed.
- 4 For products with permanent storage devices installed, configure up to 20 destination e-mail addresses, using the format that appears on the screen. (If you do not have a permanent storage device, you can configure one e-mail address.)
- 5 To send device configuration and supplies status information to HP, select the **Send to HP** check box.
- 6 Click **Apply**.

Security

The following illustration and table describe how to use this screen.

HP XXXX Digital Sender/192.168.0.10
HP XXXX Digital Sender

Information **Settings** Digital Sending Networking [Log Off](#)

1 Configure Device
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time

2 Set Password

A security password can be set to prevent unauthorized users from remotely configuring the printer or gaining access to functionality reserved for the network administrator.

Username admin
New Password
Verify Password

3 Set Options

Display On Device Status Page

☒ Cancel Job
☒ Pause/Resume
☒ Continue Button

[hp instant support](#)
[Product Support](#)

[Apply](#) [Cancel](#)

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	Set Password	Set an administrator password to control who can gain access to the EWS Settings , Digital Sending , Networking tabs. After the password has been set, users are prompted to type a password when they click the Log In link. For more information, see “Login and logoff” on page 3 .
3 4	Display On Device Status Page	Select the control-panel buttons that you want to appear on the Device Status screen (on the Information tab).

Edit Other Links

Use the Edit Other Links screen to add or customize up to five links to the Web sites of your choice (see the following note). These links appear throughout the HP Embedded Web Server screens, in the **Other Links** box beneath the left navigational bar. Three permanent links (**hp instant support**, **Order Supplies**, and **Product Support**) have already been established. The following illustration, table, and procedures describe how to use this screen.

Note

With a permanent storage device installed, you can add up to five additional links; without the extra storage, you can add one additional link.

Callout	Area on the screen	Information or capability that the area provides	
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .	
2	Add Link	Add a user-defined link.	
3	User-defined Links	Lists the user-defined links that have been added. Use this area to delete links.	
4	Other Links	hp instant support	Connect to Web resources that help you to solve specific problems and determine what additional services are available for your product. (Detailed information, including serial number, error conditions, and status, is forwarded to HP Customer Care. Hewlett-Packard Company treats this information as confidential.)
		Product Support	Gain access to specific product help from the HP Web site.
		My Service Provider	Connect to the home page of your service provider. This link appears only if the service provider has configured it.
		My Service Contract	Connect to a page that shows the terms and limits of your service contract. This link appears only if the service provider has configured it.

Adding a link

Use this procedure to add a link.

- 1 Under **Add Link**, type the URL and the name of the link as you would like it to appear in the HP Embedded Web Server.
- 2 Click **Add Link**.

Removing a link

Use this procedure to remove a link.

- 1 Under **User-defined Links**, select the link or links that you would like to remove.
- 2 Click **Remove Selected Link**.

Device Information

Use the Device Information screen to provide a name of your choice for the device, assign an asset number, and configure the company name, the person to contact about the device, and the physical location of the device. The device IP address, device name, device model, and serial number are also available on this screen.

The screenshot shows the HP Embedded Web Server interface. At the top, there's a blue header with the HP logo and the text "HP XXXX Digital Sender/192.168.0.10" and "HP XXXX Digital Sender". Below the header is a navigation bar with tabs: "Information", "Settings", "Digital Sending", and "Networking". The "Settings" tab is selected. On the right side of the navigation bar is a "Log Off" link. On the left side, there's a sidebar with a list of settings: "Configure Device", "E-mail Server", "Alerts", "AutoSend", "Security", "Edit Other Links", "Device Information" (which is highlighted), "Language", and "Date & Time". Below the sidebar, there's a section titled "Other Links" with two links: "hp instant support" and "Product Support". The main content area is titled "Device Information" and contains a form with the following fields: "Device Name" (filled with "HP XXXX Digital Sender"), "Device Location" (empty), "Asset Number:" (empty), "Company Name:" (empty), "Contact Person:" (empty), "IP Address:" (filled with "192.168.0.10"), "Product Name:" (filled with "HP XXXX Digital Sender"), "Device Model" (filled with "CXXXXA"), and "Device Serial Number" (filled with "XXXXXXXXXX"). At the bottom right of the form are "Apply" and "Cancel" buttons.

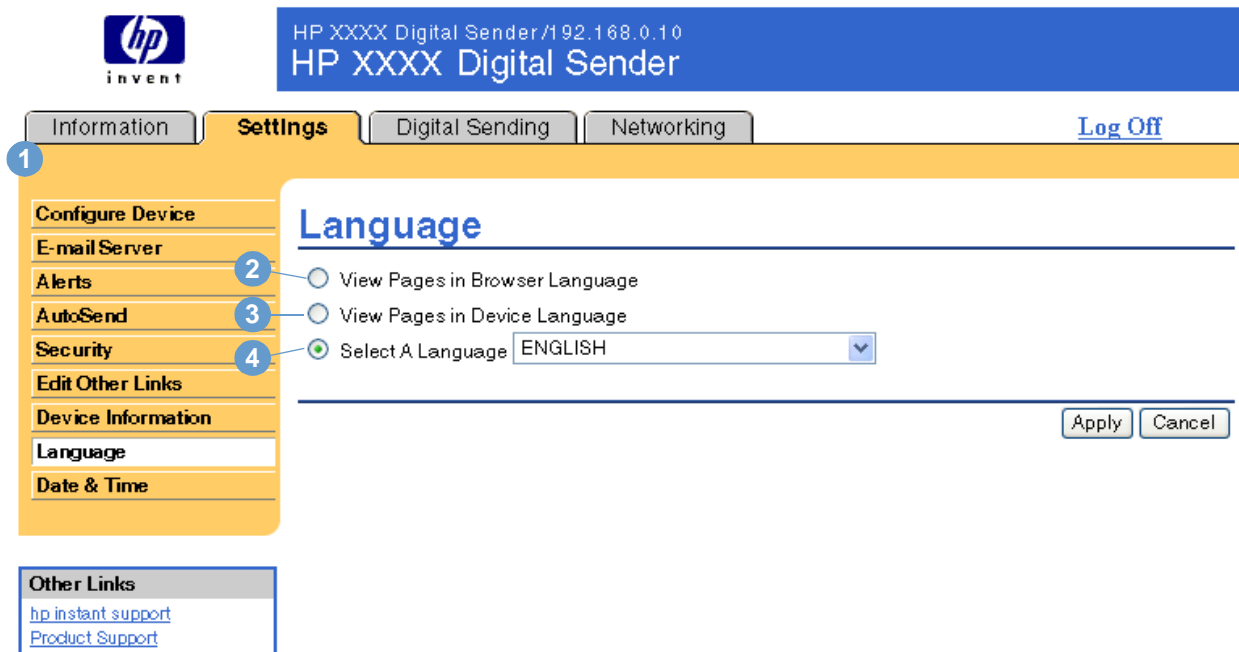
Note

If you make any changes on the Device Information screen, click **Apply** to save the changes.

The information that is typed here appears on the Device Information screen that can be opened from the **Information** tab. It also appears in e-mail messages that are sent from the product. This might be useful if you need to locate the product to replace supplies or fix a problem.

Language

Use the Language screen to select the language in which the HP Embedded Web Server screens appear. The following illustration and table describe how to use this screen.



CAUTION

Selecting **View Pages in Device Language** or **Select a Language** changes the language for everyone who uses the HP Embedded Web Server.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	View Pages in Browser Language (this is the default)	Use this feature to detect which language is selected for your Web browser. The HP Embedded Web Server screens appear in the same language.
3	View Pages in Device Language	Use this feature to detect which language is selected for the device control panel. The HP Embedded Web Server screen appear in the same language.
4	Select A Language	Select the language for the HP Embedded Web Server screens from these choices: <ul style="list-style-type: none"> English Francais (French) Deutsch (German) Italiano (Italian) Español (Spanish) Svenska (Swedish) Dansk (Danish) Norsk (Norwegian) Nederlands (Dutch) Suomi (Finnish) Português (Portuguese)

Note

The default language is the language that the Web browser is currently using. If your browser and control panel both use a language that is not available for the HP Embedded Web Server, English is selected as the default.

If you make any changes on the Language screen, click **Apply** to save your changes.

Date & Time

Use the Date & Time screen to update the product time. The following illustration and table describe how to use this screen.

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

Information **Settings** Digital Sending Networking [Log Off](#)

1

Configure Device
E-mail Server
Alerts
AutoSend
Security
Edit Other Links
Device Information
Language
Date & Time

2

Date & Time

Current Date: 2004 / JUN / 09 Current Time: 11 : 19 4 Get Time

3 Date/Time Format

Apply Cancel

Other Links
[hp instant support](#)
[Product Support](#)

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Current Date and Current Time	Shows the product date and time when the EWS was opened. If either is incorrect, an IT administrator can change the information at the product control panel.
3	Date/Time Format	Click this button to open a screen where you can select the date and time format.
4	Get Time	Click this button to update the product date and time on the screen.

4 Setting the digital sending options

Administrators can use the Digital Sending screens to control the digital-sending features that some products offer. The following are the Digital Sending screens:

- General (page 34)
- Send to E-mail (page 35)
- Addressing (page 38)
- Address Book (page 41)
- Activity Log (page 42)
- Preferences (page 43)

Note

Some products do not support all of these screens.

Using the DSS software


The product includes the Digital Sending Software (HP DSS) which can be used to carry out its digital sending tasks. If the HP DSS has been installed, the following message appears when you click any of the menus on the **Digital Sending** tab:

The device is being serviced by the Digital Sending Software at <IP address>. Please use Windows Configuration Utility to configure the device.

In this case, the digital sending options must be configured by using the HP MFP DSS Configuration Utility. This centralizes the configuration tasks and helps control security.

General

Use the General screen to set digital-sending administrator information. The following illustration and table describe how to use this screen.



invent

HP XXXX Digital Sender/192.168.0.10
HP XXXX Digital Sender

Information

Settings

Digital Sending

Networking

1

General

Send to E-mail

Addressing

Address Book

Activity Log

Preferences

2 [Help](#)

3

4

5

6

Administrator Information

Name:

E-mail address:

Phone Number (optional):

Location (optional):

Other Links

[hp instant support](#)

[Product Support](#)

Apply

Cancel

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Help	Click to open a help file that contains information about the screens on the Digital Sending tab.
3	Name	Type the administrator’s name.
4	E-mail Address	Type the administrator’s e-mail address.
5	Phone Number (optional)	Type the administrator’s phone number (optional).
6	Location (optional)	Type the administrator’s location (optional).

Send to E-mail

The product requires a Simple Mail Transfer Protocol (SMTP) Gateway server to forward e-mail messages to destination e-mail addresses. Use the Send to E-mail screen to configure SMTP settings, set the maximum e-mail attachment size, and set the default e-mail address for the product. You can also set a default subject for all e-mail messages that the product sends. The following illustration and table describe how to use this screen.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see "Navigating through the HP Embedded Web Server" on page 5 .
2	Help	Click to open a help file that contains information about the screens on the Digital Sending tab.
3	Send E-mails	Send e-mail messages to the SMTP Gateway server directly from the product.
4	Device's SMTP Gateway	Type the IP address or the host name of the SMTP Gateway server that will manage the e-mail requests from the device. If you do not know the IP address or the host name of the SMTP Gateway, click the Find Gateways button to search the network for a suitable SMTP Gateway server. Note Some devices only recognize IP addresses. In such cases, host names will be converted to the equivalent IP address.

Callout	Area on the screen	Information or capability that the area provides
5	Maximum Attachment Size	Select the maximum size of e-mail attachments that the SMTP Gateway server can transmit. If the product needs to send an e-mail attachment that is larger than the maximum size that is specified, the attachment is broken into smaller files, which are sent in multiple e-mail messages.
6	Find Gateways	If you do not know the IP address or the host name of the SMTP Gateway, click this button to search the network for a suitable SMTP Gateway server.
7	Test	Click this button to verify that the specified SMTP Gateway server is valid and operational.
8	E-mail address	Type the e-mail address of the person who will act as the default sender.
9	Display Name	<p>Type the name that you want to appear in the “From” field for the e-mail messages that are sent from the product. You can also use this field to include instructions, such as “Please type your e-mail address here.”</p> <hr/> <p>Note If a name is not provided, the e-mail address that was typed in the E-mail Address field will appear in the “From” field of outgoing e-mail messages.</p>
10	Prevent Device user from changing the Default ‘From:’ Address	Select this check box to ensure that general users cannot change the e-mail address that the administrator set.
11	Default Subject	If you want to, type the subject that will appear on all e-mail messages the product sends. You can also use this field to include instructions, such as “Please type a subject for your message.”
12	Advanced	Click this button to open a new screen that you can use to set message text and attachment settings for e-mail messages that the product sends. For more information, see “Advanced E-mail Settings” on page 37 .

Advanced E-mail Settings

The following illustration and table describe how to use this screen.

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

Information Settings **Digital Sending** Networking

1

General
Send to E-mail
Addressing
Address Book
Activity Log
Preferences

Other Links
[hp instant support](#)
[Product Support](#)

Advanced E-mail Settings

2 [Help](#)

3 **Message Text**
Default Message
☒ Message Language:
 English
☐ Use Custom Message:
 Message:
 This document was digitally sent to you using an HP Digital Sending device.

4 ☐ Editable by User

5 **Attachment Settings**
 File format:
 PDF
 Default Color Preference:
 Color
 Resolution:
 150 dpi
 Default File Size:
 Standard

OK Cancel

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see "Navigating through the HP Embedded Web Server" on page 5.
2	Help	Click to open a help file that contains information about the screens on the Digital Sending tab.
3	Message Text	Modify how the message text will appear in the body of all e-mail messages that are sent from the product. Select the language for the message text. The languages that are available are the same languages that are available on the Language screen of the Settings tab.
4	Editable by User	Select this check box to allow the user to add text to the e-mail message text.
5	Attachment Settings	Select the default settings for attachments sent in e-mail messages that are sent from the product.

Addressing

In order for the product to send scanned documents, you must provide e-mail addresses. The product addressing feature simplifies this process by searching for destination e-mail addresses.

Use the Addressing screen to set features that allow the product to get e-mail addresses directly from the database of a Lightweight Directory Access Protocol (LDAP) server instead of from a replicated LDAP Address Book. Using the LDAP Address Book directly guarantees that the latest addresses are used. The following illustration and table describe how to use this screen.

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

Information Settings **Digital Sending** Networking

1 **Addressing Settings** 2 [Help](#)

3 ☒ Allow Device to directly access an LDAP Address Book

4 Accessing the LDAP Server

5 LDAP Server Bind Method: Anonymous

6 Credentials

7 Username: Password:

8 LDAP Server: 0.0.0.0

9 Port: 389 Find Server

10 Searching the Database

11 Find Settings

12 Search Root:

13 Device user information retrieval method: Exchange 5.5 Defaults

14 Match the name entered... with the LDAP attribute of cn

15 Retrieve the device user's email address using attribute of ... rfc822Mailbox

Advanced... Test

Apply Cancel

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see "Navigating through the HP Embedded Web Server" on page 5.
2	Help	Click to open a help file that contains information about the screens on the Digital Sending tab.
3	Allow Device to directly access an LDAP Address Book	Select this check box to provide the device direct access to an LDAP Address Book.

Callout	Area on the screen	Information or capability that the area provides	
4	LDAP Server Bind Method	Anonymous	Select this option to connect to the LDAP server if the LDAP server does not require user credentials to access the LDAP database.
		Simple	Select this option to connect to the LDAP server if the LDAP server requires user credentials to use the LDAP database. When this option is selected, you must enter the user, password, and domain. Note that the password will be sent across the network un-encrypted.
		NTLM	Select this option to connect to the LDAP server if the LDAP server requires user credentials to use the LDAP database. This option supports NT Challenge Response. When this option is selected, you must enter the user, password, and domain. Note This option is not available for all products.
5	Credentials	Specify these settings if Simple or NTLM is selected from the LDAP Server Bind Method list.	
6	LDAP Server	Type the host name or IP address of the LDAP server whose database contains the centralized address book. Note Some products only recognize IP addresses. In such cases, host names are converted to the equivalent IP address.	
7	Port	Type the TCP/IP port number on which the server is processing LDAP requests. This is typically port 389.	
8	Find Server	Click this button to search for available LDAP servers.	
9	Find Settings	Click this button to have the product attempt to determine the best settings for the specified server when searching the LDAP database.	
10	Search Root	Type the Distinguished Name (DN) of the entry in the LDAP directory structure where address searching is to begin. A DN is made up of "attribute=value" pairs, separated by commas. For example: ou=departmentname,o=companyname,c=country ou=marketing,o=Hewlett Packard,c=US o=hp.com ou=engineering,cn=users,dc=hp,dc=com Note For some LDAP servers, the search root can be left blank (in which case its root node will be assumed).	
11	Device user information retrieval method	Exchange 5.5 Defaults	Select this option if you are connecting to a Microsoft Exchange 5.5 server that is running LDAP. The LDAP attribute values are automatically set.
		Active Directory Defaults	Select this option if you are connecting to a Microsoft Exchange Server 2000 server that is running LDAP. The LDAP attribute values are automatically set.
		Custom	Select this option if you need to manually configure the LDAP attribute values.

Callout	Area on the screen	Information or capability that the area provides
12	Match the name entered with the LDAP attribute of	Type the attribute in the LDAP database that identifies a person in the address book. The value of this attribute will be compared to the name that the user types in order to retrieve the person's e-mail address. The following are a few possible LDAP attributes: <ul style="list-style-type: none"> • uid: User Identifier • cn: Common Name • sn: Surname (Last Name) • givenName: First Name
13	Retrieval the device user's e-mail address using attribute of	Type the LDAP attribute that contains the person's e-mail address. The following are two of the possible LDAP attributes: <ul style="list-style-type: none"> • rfc822Mailbox • mail
14	Advanced	Click this button to open a new screen where you can set advanced LDAP server features. For more information, see “Advanced Addressing Settings” on page 40 .
15	Test	Click this button to test the settings that you specified.

Advanced Addressing Settings

The following illustration and table describe how to use this screen.

Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	Help	Click to open a help file that contains information about the screens on the Digital Sending tab.
3	Advanced Search Options	Select the advanced LDAP server search settings.
4	Find entries in the Database	Select whether the LDAP search queries include entries that begin with the partial name or all entries that contain the partial name anywhere within the entry's name.

Address Book

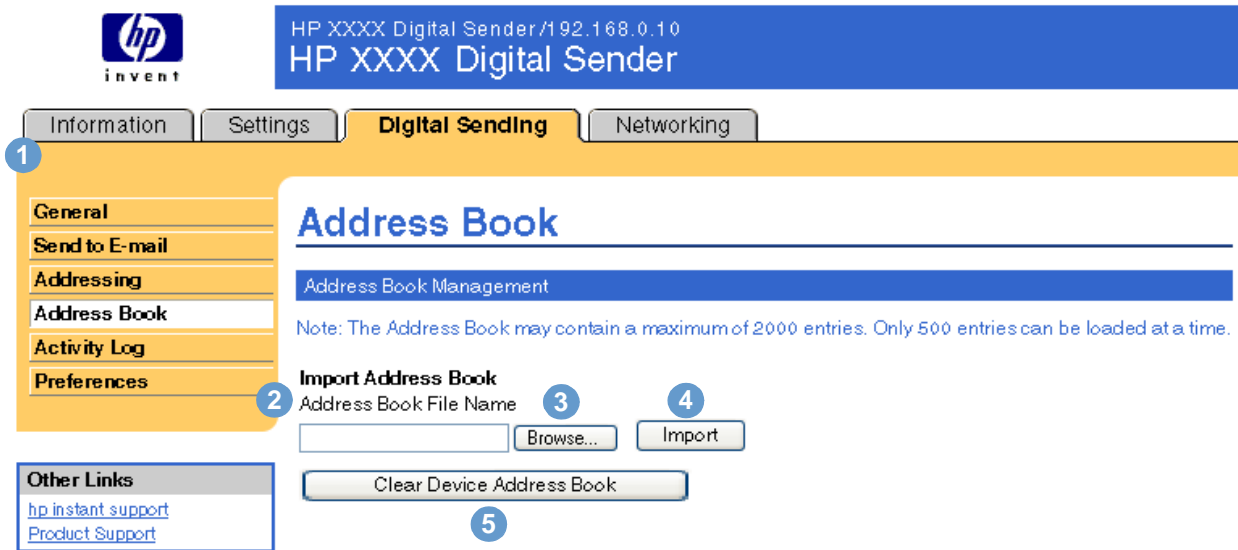
Use the Address Book screen to add a predefined list of e-mail addresses, in the form of a Comma-Separated Value (.CSV) file, to be imported into the product internal address book. The .CSV file is a plain-text file (in UTF-8 encoding) that contains each e-mail address entry on a separate line. An entry consists of an alias, which is the name that appears, followed by a comma and an e-mail address. The aliases and e-mail addresses cannot contain any commas. The following are examples.

name1, name1@your.company.com

name1, name2@your.company.com

At the product, use the alias name to search for e-mail addresses.

The following illustration and table describe how to use this screen.

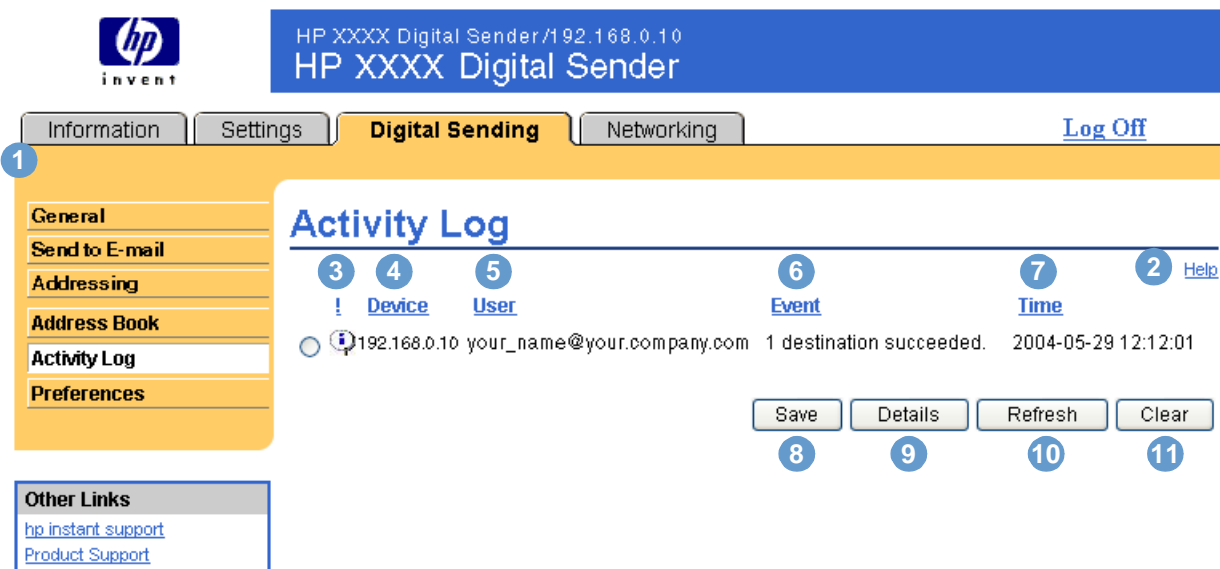


Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Address Book File Name	Use this field for the path of the .CSV address book file.
3	Button used to browse for a file	Click this button to find the .CSV address book file.
4	Import	After the path of the .CSV file appears in the Address Book File Name field, click this button to import the address book into the product internal address book.
5	Clear Device Address Book	Click this button to clear the contents of the device’s internal address book.

Activity Log

Use the Activity Log screen to view digital sending job information, including any errors that occur. The following illustration and table describe how to use this screen.

Note If the Digital Sending Software (HP DSS) has been installed, digital-sending activities are logged in the HP DSS instead of in the HP Embedded Web Server. To view the activity log, open the HP MFP DSS Configuration Utility, and then click the **Log** tab.



Callout	Area on the screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	Help	Click to open a help file that contains information about the screens on the Digital Sending tab.
3	Severity	Lists the severity of the error, if applicable, for each log entry.
4	Device	Lists the IP address of the device.
5	User	Lists the user that initiated the event.
6	Event	Describes if the event was successful or if an error occurred.
7	Time	Shows the time for each log entry.
8	Save	Click this button to save the log information to a file.
9	Details	Select the log entry and then click the Details button to view the log entry details.
10	Refresh	Click this button to update the view to include the latest log information.
11	Clear	Click this button to clear the information from the log.
		<p>Note This only clears the log that appears onscreen. The log entries remain on the product for job-accounting purposes.</p>

Preferences

Use the Preferences screen to configure general settings for the digital-sending features. The following illustration and table describe how to use this screen.

Callout	Area on screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5.
2	Help	Click to open a help file that contains information about the screens on the Digital Sending tab.
3	Document Size	Select the default media size that you want the product scanner to use when scanning a document.
4	Document type	Select the default media type that you want the product image processor to use when scanning a document. <ul style="list-style-type: none"> • Text • Graphics • Mixed
5	2 Sided Document	Select this check box to have the product scan both sides of a document.
6	Auto Settings Reset	Use the Time-outs options to reset all digital sending settings that are associated with a job to the product default settings. You can have the settings reset immediately after a digital-send operation in which the settings have been changed by a user, or to delay the reset for any interval from 10 to 300 seconds.

5 Managing network operation from the Networking screens

Overview

Use the Networking screens to configure and manage your product on your network. The appearance and features of the Networking screens differ depending on the model and version of your HP Jetdirect print server. The following screen is similar to what you might see when you click **Networking**. From the left navigational bar, click the **Networking** menu for the screen that you want to view.

HP XXXX Digital Sender / 192.168.0.10
HP XXXX Digital Sender

Information Settings Digital Sending **Networking**

1 CONFIGURATION
Network Settings
Other Settings
Privacy Settings
Select Language

2 SECURITY
Settings
Authorization
Mgmt. Protocols
802.1x Authentication

DIAGNOSTICS
Authorization
Mgmt. Protocols
802.1x Authentication

DIAGNOSTICS
Mgmt. Protocols
802.1x Authentication

3 Other Links
[Help](#)
[Support](#)
[HP Home](#)

Network Settings

TCP/IP IPX/SPX AppleTalk DLC/LLC SNMP

IP Configuration Method: BOOTP

Note: A change in IP Address will result in loss of connectivity to the browser.

Host Name: host name

IP Address: 192.168.0.10

Subnet Mask: 255.255.255.0

Default Gateway: 192.68.0.200

Domain Name:

Primary WINS Server:

Secondary WINS Server:

Syslog Server:

Syslog Maximum Messages: 10

Syslog Priority: 7

Idle Timeout: 270 Seconds

TTL/SLP: 4

System Contact:

System Location:

LPD Banner Page: Enable

Default IP: Legacy Default IP (when BOOTP/DHCP/RARP servers are not available)

☒ Send DHCP requests if IP address is Auto IP (169.254.x.x) or Legacy Default IP

Apply Cancel

Note: See the table on the following page for descriptions of the callouts in this illustration.

Callout	Area on screen	Information or capability that the area provides
1	EWS tabs and menus	For more information, see “Navigating through the HP Embedded Web Server” on page 5 .
2	Select Language	Select the language for the Networking tab. The list of languages that are available in the Networking tab is <i>not</i> identical to the list of languages that are available in the Settings tab.
3	Help	Click Help for more information about the options on the Networking tab.

Depending on your HP Jetdirect print server model and operating version, the following are some tasks that you can perform from the Networking screens:

- Change network configuration settings for various types of network connections.
- Turn on or turn off printing protocols.
- Set up a support contact and support URLs.
- Set a password to control access to the product and network configuration settings.
- Configure the security of your product through the use of passwords, access lists, and management protocols.
- View general network status information, including network statistics that are stored on the print server, for network troubleshooting or optimization.
- View protocol information for all supported network connections.
- Open the HP Jetdirect Configuration page.
- Set the frequency at which the HP Embedded Web Server checks the network status.

For more information about the Networking screens, see the following sources:

- **Help.** On each Networking screen, a **Help** link under **Other Links** provides a description of the networking features and helpful tips for using them. Also, from the Help screen you can gain access to additional help from the HP Web site.
- **HP Jetdirect Print Server Administrator's Guide.** This guide is normally available on the software CD that came with your product. To download the most recent version of the guide for your print server model, go to: http://www.hp.com/support/net_printing.

6 Using the Other Links as a resource

The **Other Links** box contains two permanent links that provide quick access to product-specific information, such as interactive troubleshooting.

The screenshot shows the HP EWS interface for an HP XXXX Digital Sender. The top navigation bar includes the HP logo, the device name and IP address, and a 'Log Off' link. Below this is a secondary navigation bar with tabs for 'Information', 'Settings', 'Digital Sending', and 'Networking'. The 'Information' tab is active, showing a left-hand menu with options like 'Device Status', 'Configuration Page', 'Supplies Status', 'Usage Page', 'Device Information', and 'Control Panel'. The 'Other Links' box is highlighted with a blue arrow. The main content area displays 'Device Information' with fields for Device Name, Device Location, Asset Number, Company Name, Contact Person, IP Address, Product Name, Device Model, and Device Serial Number.

Device Information	
Device Name	HP XXXX Digital Sender
Device Location	
Asset Number:	
Company Name:	
Contact Person:	
IP Address:	192.168.0.10
Product Name:	HP XXXX Digital Sender
Device Model	CXXXXA
Device Serial Number	XXXXXXXXXX

Note

You can use the Edit Other Links screen on the **Settings** tab to add up to five customized links to the Web sites of your choice. (With a permanent storage device installed, you can add up to five additional links; without the extra storage, you can add one additional link.) These links appear throughout the EWS screens, in the **Other Links** box beneath the left navigational bar. For more information, see “[Edit Other Links](#)” on page 28.

hp instant support

Hewlett-Packard Company offers hp instant support, an Internet-based support system that collects diagnostic information from your product and matches it with the HP information database. At hp instant support, you can find intelligent solutions that help you resolve problems quickly and easily.

How hp instant support works

Information is gathered from your product and securely transmitted to Hewlett-Packard Company when you click **hp instant support**. The hp instant support Web site reads the product data to analyze the product's current status. The Web site creates a customized Web page that appears in the browser window and contains easy-to-follow text and visual aids. The hp instant support Web site also directs you to additional services that are available for your product.

Before any of the product data is sent to Hewlett-Packard for analysis, you can view all of the information (for example, the serial number, error conditions, and product status) that will be forwarded. Hewlett-Packard treats this information as confidential.

Information you can get from hp instant support

The hp instant support Web site provides these tools for troubleshooting and for maintenance:

- Firmware and software updates.
- Troubleshooting for recent events that are listed on the Event Log. For example, the product might show a jam as the most recent event listed in the event Log. The hp instant support Web site detects the event and provides troubleshooting information for the jam.
- Support packs.
- Product documentation, such as user guides and getting started guides.

Product Support

The **Product Support** link connects you to a Web page that brings together a comprehensive menu of support resources that business people need. From this Web page, you can accomplish these tasks and more:

- Find a list of HP products at one site: computers, workstations, servers, storage devices, printer, scanners, digital imaging, and mobile devices.
- Obtain technical support. Solve a problem; find information to set up, install, and configure your product; discover and use a product; maintain your product; upgrade and migrate your product software and driver; and recycle products or dispose of them correctly.
- Gain access to self-solve resources such as FAQs, user documentation, features and specifications, and product-compatibility information.
- Collaborate with HP and with your peers through discussion groups, e-mail support, and phone support.
- Use task-based navigation to identify the task area that you want to work on and quickly discover related topics and tools.

In addition, you can find these features: hot topics, a subscription center, product rebate offers and other announcements, and training and education opportunities.

My Service Provider and My Service Contract

The **My Service Provider** and the **My Service Contract** links appear only if they have been created (and perhaps renamed) by the service provider in the Other Links screen on the **Settings** tab. The link can then be clicked by any user to get information about the service provider and the service contract. The information, which can be up to 50 characters long, is stored in the permanent storage of the product.

When these links have been created, the appearance of the **Other Links** box changes to include the new links, as shown in the following illustration.



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